

Work Order ID 165104

Tuesday, August 15, 2017 3:18:44 PM

165104

Page 1

Item ID: D4635-143 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Aft Ceiling Replacement Panel Assembly, LH
Start Date: 8/21/2017 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 8/25/2017 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: ^{DAS}21 Date: AUG 16 2017 Tooling: Date: Run Start ***NR1***
QC: ⁹⁻⁸⁹ Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4635	F								

100

0.00

100

Small Fab

Small Fab

Memo

Pick Kit

0.00

SEP 08 2017

^{DAS}
6
⁹⁻⁸⁹

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110		0.00							
110									
Small Fab	Memo	5.00							
Small Fab	Assemble as per Dwg. D4635-143 Bond foam core to inside of panel 3M Scotch Weld 1300 Batch: <u>M138096</u> 1- Scuff bonding surface to eliminate in-perfections and increase bonding and clean with wash& wipe 2- Locate and glue down Channel Assy, angles, brackets, and mounting pads using 3M Plastic welder II.(see note 8) Batch # <u>M137679</u> Expiry Date <u>Sept 27/17</u> 3- Apply labels as per Dwg. and seal with 3M 3950 edge sealer(see note 9) Batch: <u>135435</u>								
120	QC5- Inspect part completeness to step on W/O	0.00							
120									
QC	Memo	0.02							
Quality Control									

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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		OTHER : ☐																							

Picklist Print

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Work Order ID: 165104

165104

Parent Item: D4635-143

D4635-143

Parent Item Name: Aft Ceiling Replacement Panel Assembly, LH

Start Date: 8/21/2017

Required Date: 8/25/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev. A 12/08/09 New Issue DL
12/11/08 Doc Release DL
Update 13/07/09 DL ver: DD
13/12/09 DL
Ipp Rev. E Dwg Update 14/01/09 DL
Dwg. Update 15/01/27 DL

IPP Rev B
IPP Rev. C Dwg.
IPP Rev D Dwg Update
IPP Rev. F

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4635-3		Manufactured	No		164294	100	Each	0.0000	1	1			Ok. 12/09/15
D4635-3									**	①			
Aft Ceiling Panel, LH													
D4669-1		Manufactured	No			100	Each	10.0000	1	1			
D4669-1									**			SEP 09 2017	
Bracket													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				MF004		10							
					125017	2							
					154904	8							
D4669-3		Manufactured	No			100	Each	39.0000	1	1			
D4669-3									**			SEP 09 2017	
Bracket													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				MF004		39							
					117668	27							
					117690	12							
D4695-3		Manufactured	No			100	Each	2.0000	1	1			
D4695-3									**			SEP 09 2017	
Channel													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST446		2							
					121329	1							
					154928	1							

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Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER :									

Picklist Print

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Work Order ID: 165104

165104

Parent Item: D4635-143

D4635-143

Parent Item Name: Aft Ceiling Replacement Panel Assembly, LH

Start Date: 8/21/2017

Required Date: 8/25/2017

Start Qty: 1.00

Required Qty: 1.00

D5022-3

Manufactured No

100

Each

2.0000

1

1

D5022-3

Foam, Side Panel, Aft

**

Location

Loc Qty

Loc Code

MF010

2

123919

2

D4732-13

Manufactured No

100

Each

7.0000

1

1

D4732-13

Label

**

Location

Loc Qty

Loc Code

MF005

7

123206

7

D4732-1

Manufactured No

100

Each

13.0000

1

1

D4732-1

Label

**

Location

Loc Qty

Loc Code

MF005

13

123200

7

159157

6

D4732-37

Manufactured No

100

Each

6.0000

1

1

D4732-37

Label

**

Location

Loc Qty

Loc Code

MF005

6

123218

6

SEP 09 2017
DAS
6
9-89

SEP 09 2017
DAS
6
9-89

SEP 09 2017
DAS
6
9-89

SEP 09 2017
DAS
6
9-89

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Shop Packet Print

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DQA: _____ Date: _____



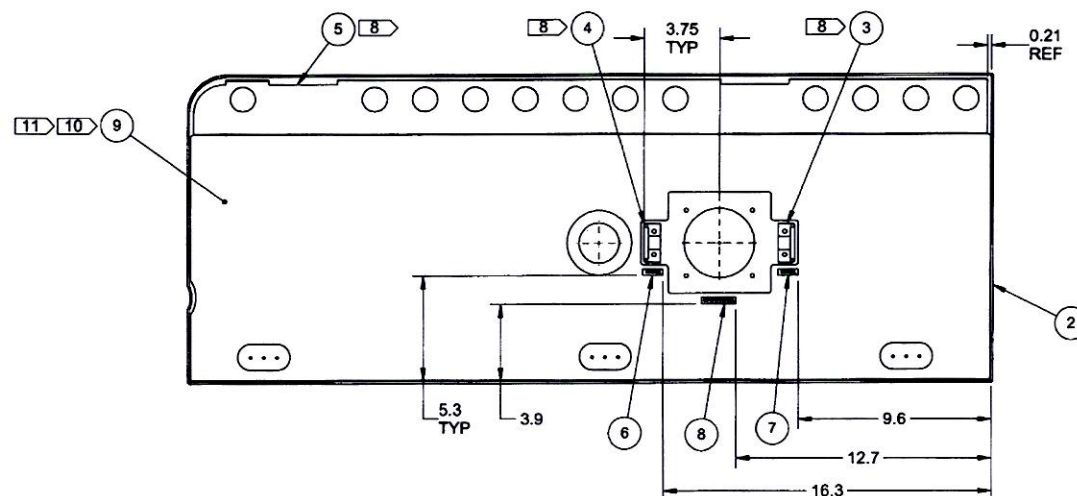
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OTHER :									

ITEM	QTY -143	P/N	DESCRIPTION
1	X	D4635-143	LH, AFT CEILING REPLACEMENT PANEL ASSY
2	1	D4635-3	LH, AFT CEILING PANEL
3	1	D4669-1	BRACKET
4	1	D4669-3	BRACKET
5	1	D4695-3	CHANNEL
6	1	D4732-1	LABEL
7	1	D4732-13	LABEL
8	1	D4732-37	LABEL
9	1	D5022-3	FOAM, SIDE PANEL, AFT, LH



D4635-143 LH, AFT CEILING REPLACEMENT PANEL ASSY

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165104 MJS
170816

RELEASED

2015 JAN 26

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4669-1/-3 & D4695-3. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5022-3 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5022-3 FOAM ON D4635-3

APPROVED

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AK	DRAWING NO.	REV. F
MFG. APPR.	DL	D4635	SHEET 11 OF 18
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OUTBOARD CEILING PANELS	NTS
DATE	14.11.28	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	